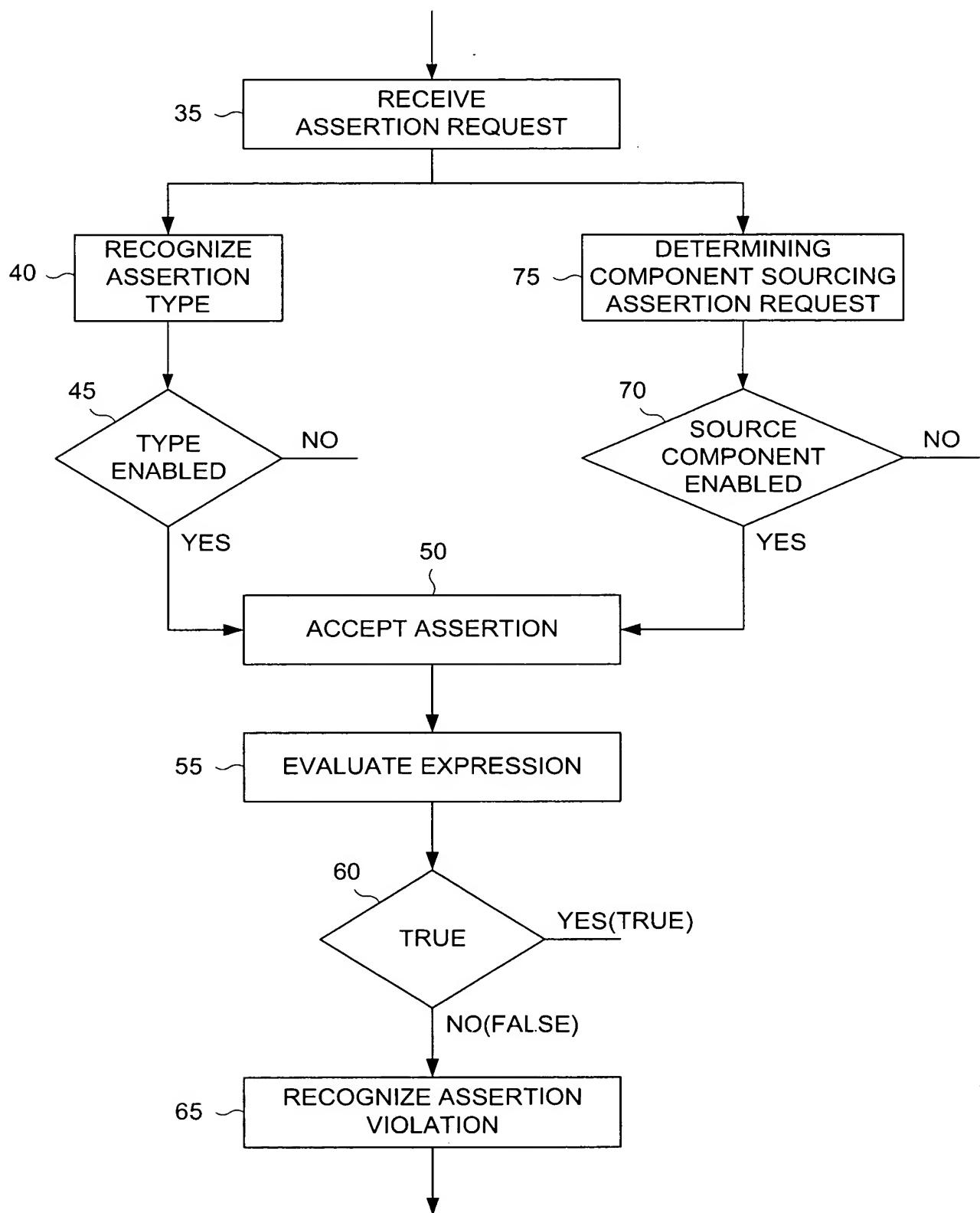


**FIG. 1**





**FIG. 2**



ASSERTION TYPE	85	88	89	
	TYPE 0	TYPE 1	TYPE 2	
SOURCE COMPONENT ID				
COMPONENT A		X	X	X
COMPONENT B		X	X	X
COMPONENT C		X	X	X
⋮	82			

EACH X IS A "1" WHEN THE  
INTERSECTING COMPONENT/TYPE  
COMBINATION IS ENABLED AND A  
"0" WHEN THE COMBINATION IS  
DISABLED

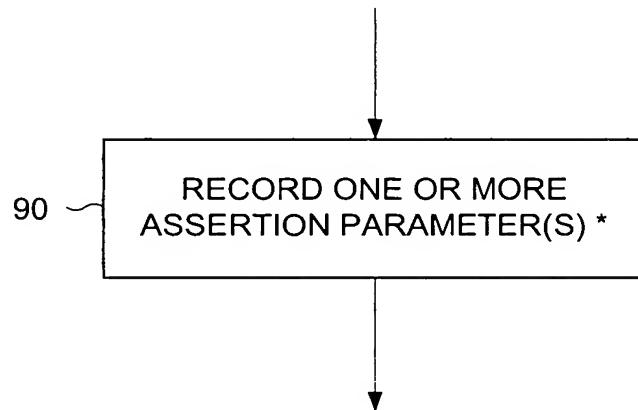
**FIG. 3**





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RECORDING ASSERTION



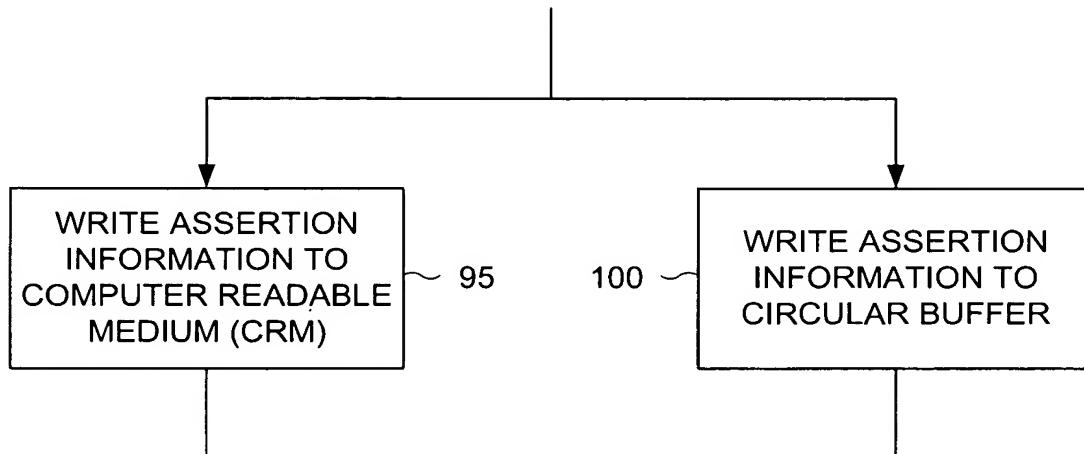
\* PARAMETERS:

TYPE OF ASSERTION  
SEQUENCE NUMBER OF ASSERTION  
TIME THE ASSERTION OCCURRED  
ID OF PROCESSOR THAT PRODUCED ASSERTION  
ID OF PROCESS THAT PRODUCED ASSERTION  
ID OF THREAD THAT PRODUCED ASSERTION  
TEXT OF ASSERTION  
STACK TRACE  
ID OF SOURCE LINE CONTAINING ASSERTION  
NAME OF SOURCE FILE CONTAINING CODE THAT GENERATED ASSERTION

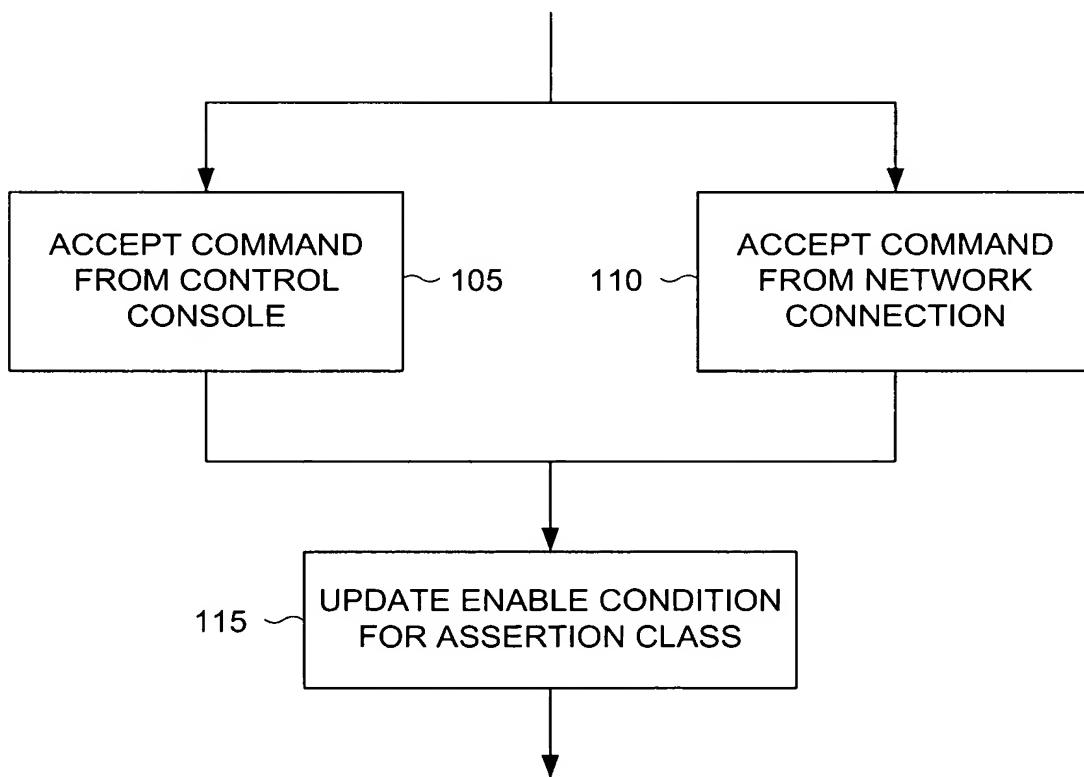
RECORD AT LEAST ONE OF THE ABOVE PARAMETERS

**FIG. 4**





**FIG. 5**

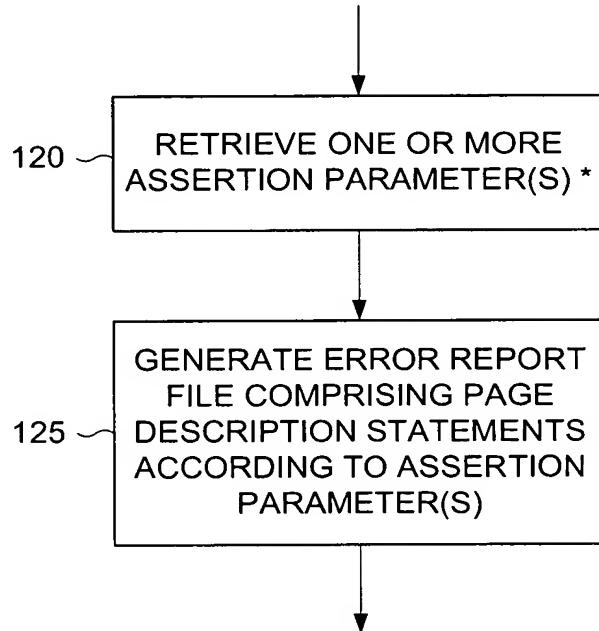


**FIG. 6**

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+

GENERATING AN ERROR REPORT



\* PARAMETERS:

ASSERTION TYPE  
SEQUENCE NUMBER OF ASSERTION  
TIME THE ASSERTION OCCURRED  
ID OF PROCESSOR THAT PRODUCED ASSERTION  
ID OF PROCESS THAT PRODUCED ASSERTION  
ID OF THREAD THAT PRODUCED ASSERTION  
TEXT OF ASSERTION  
STACK TRACE  
ID OF SOURCE LINE CONTAINING ASSERTION  
NAME OF SOURCE FILE CONTAINING CODE THAT GENERATED ASSERTION

RETRIEVE PARAMETER(S) INCLUDING AT LEAST ONE OF THE ABOVE

**FIG. 7**

+

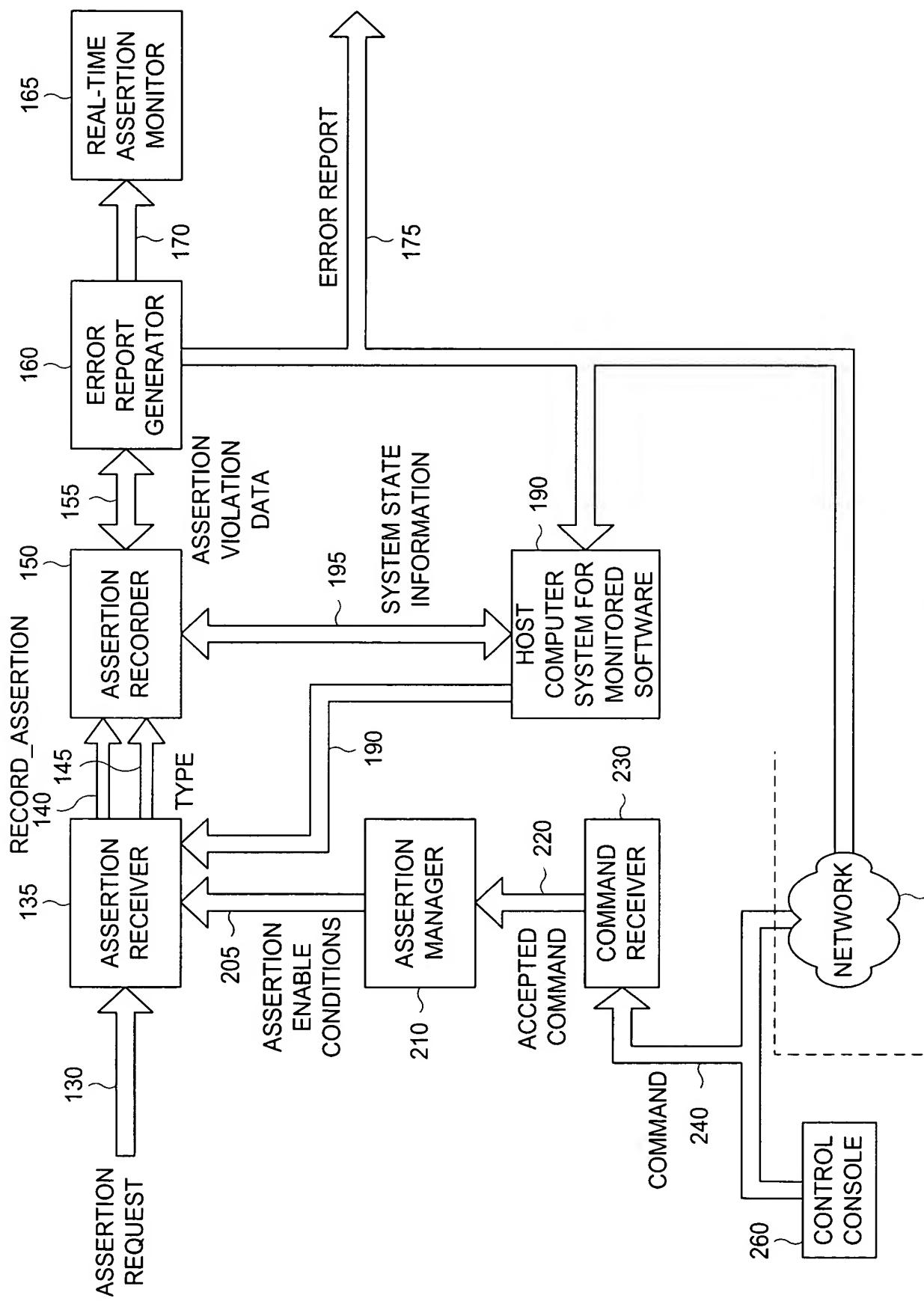


FIG. 8

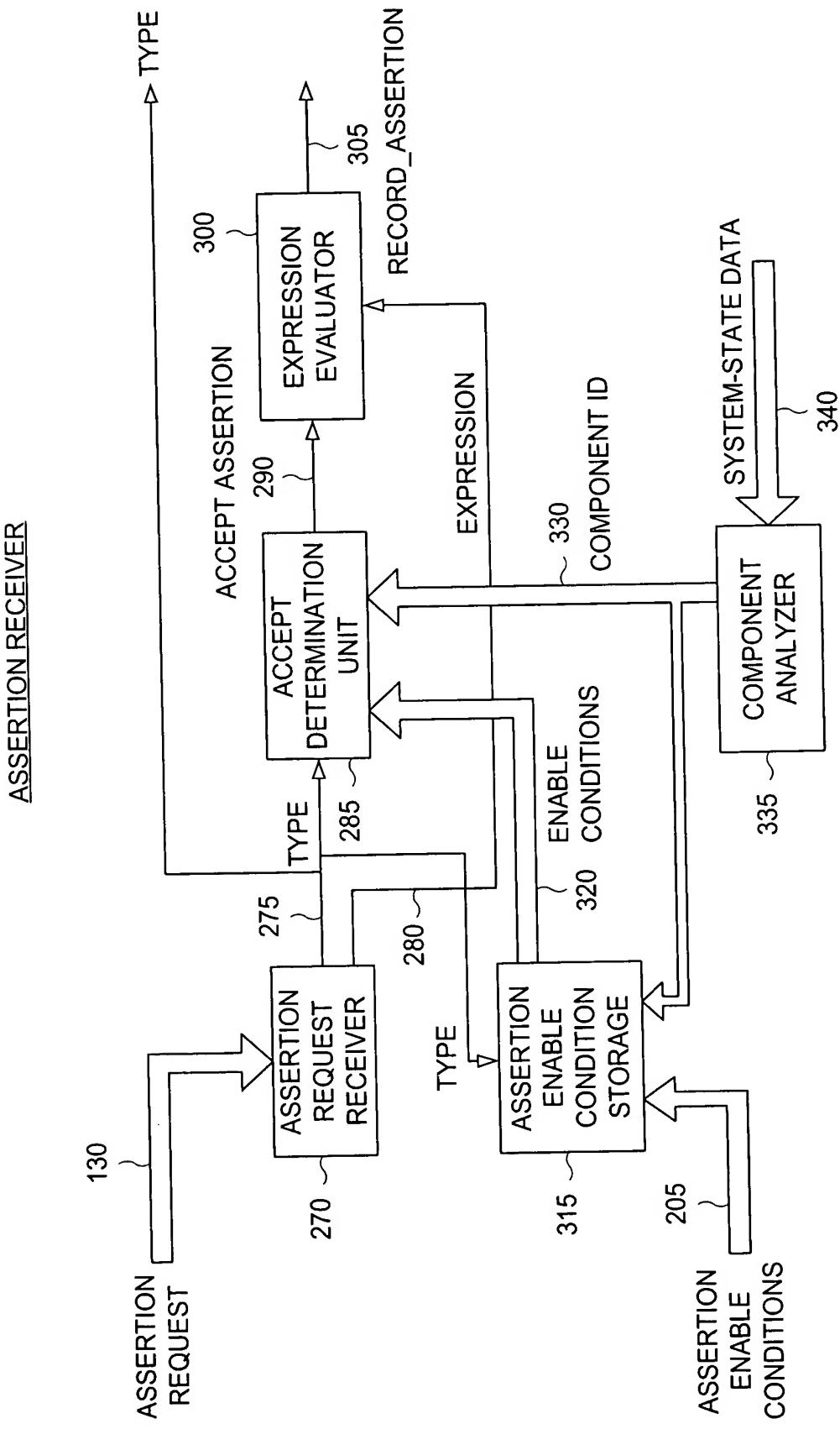
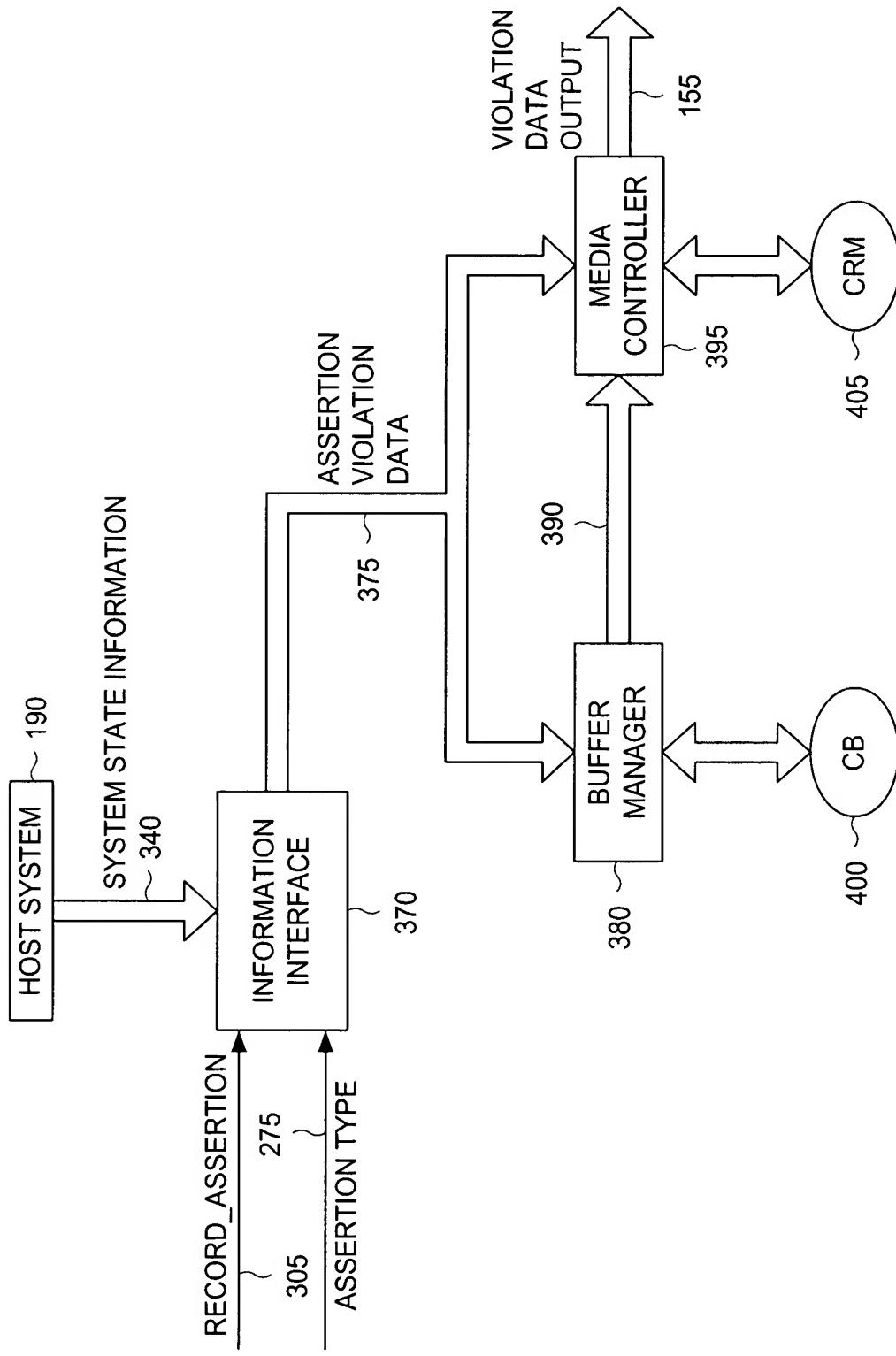


FIG. 9

ASSERTION RECORDER



**FIG. 10**

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ERROR REPORT GENERATOR

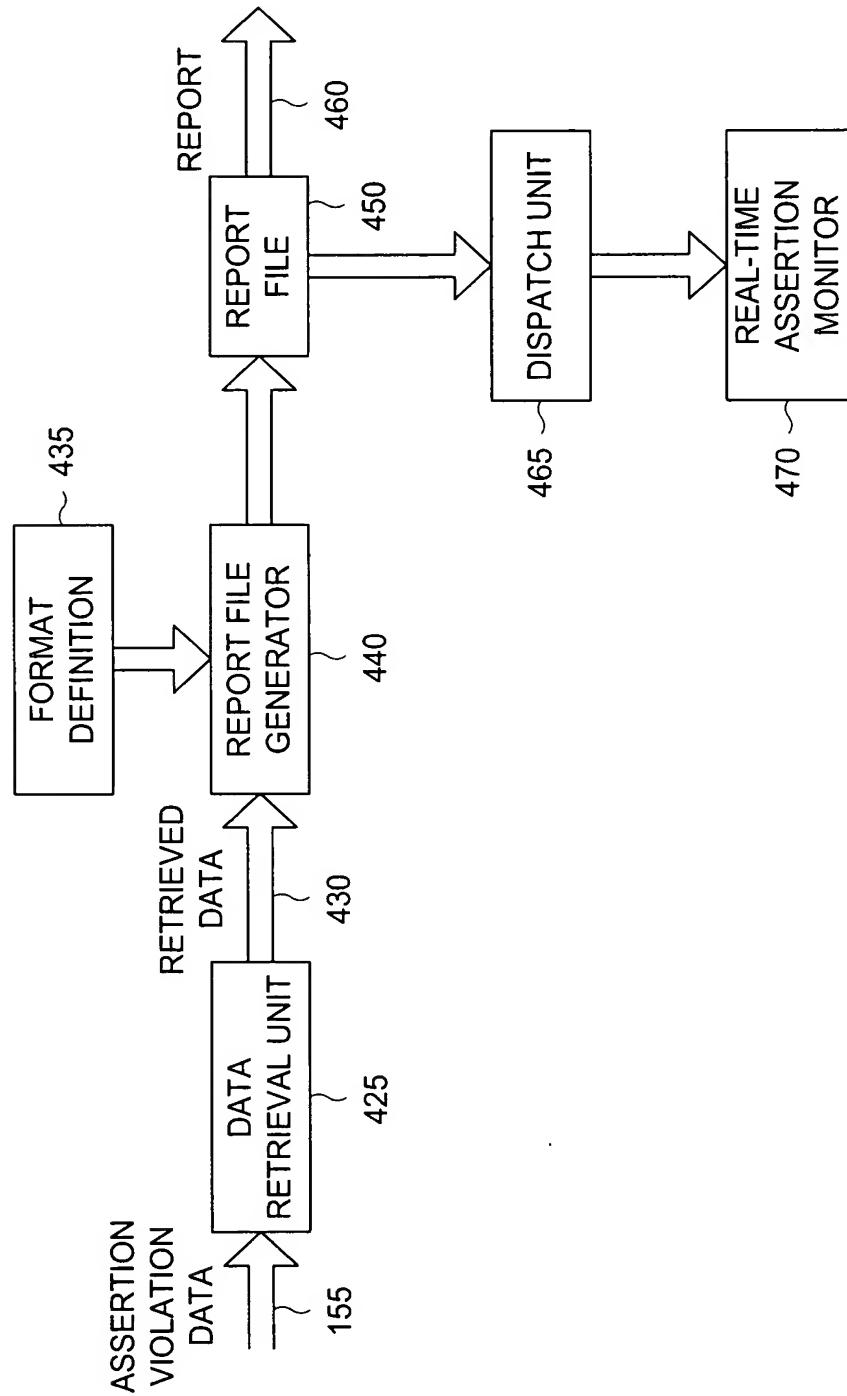


FIG. 11

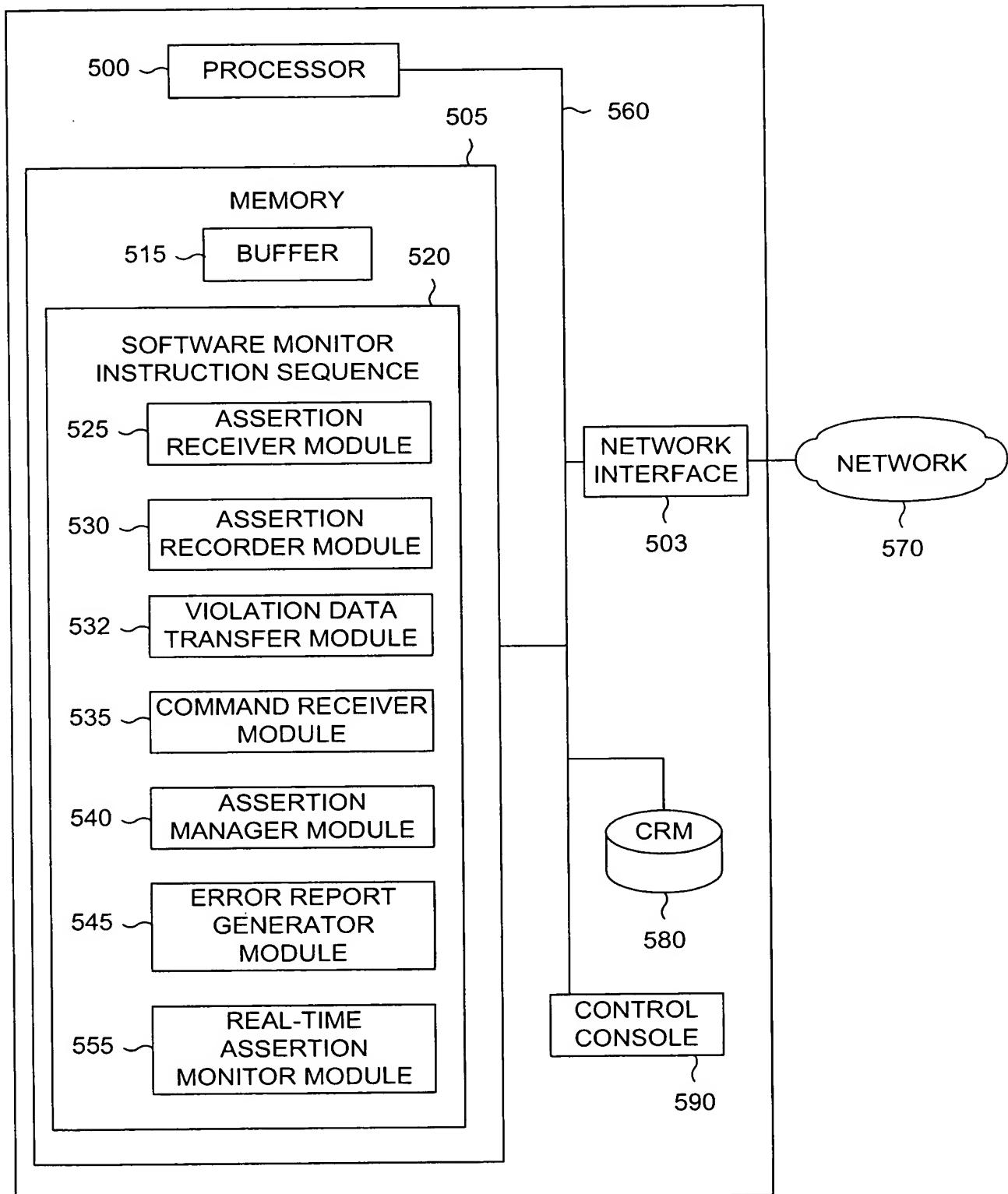


FIG. 12

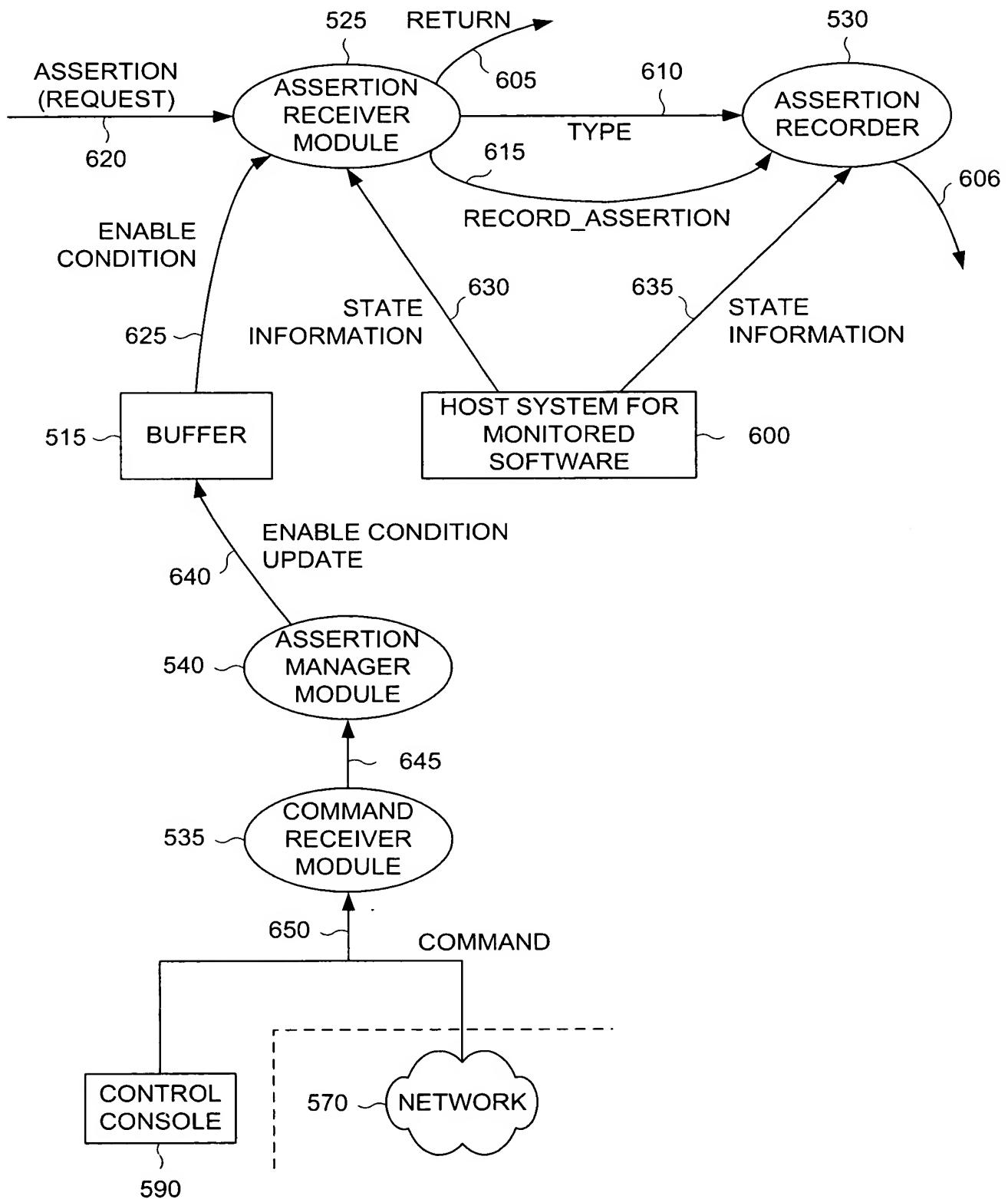
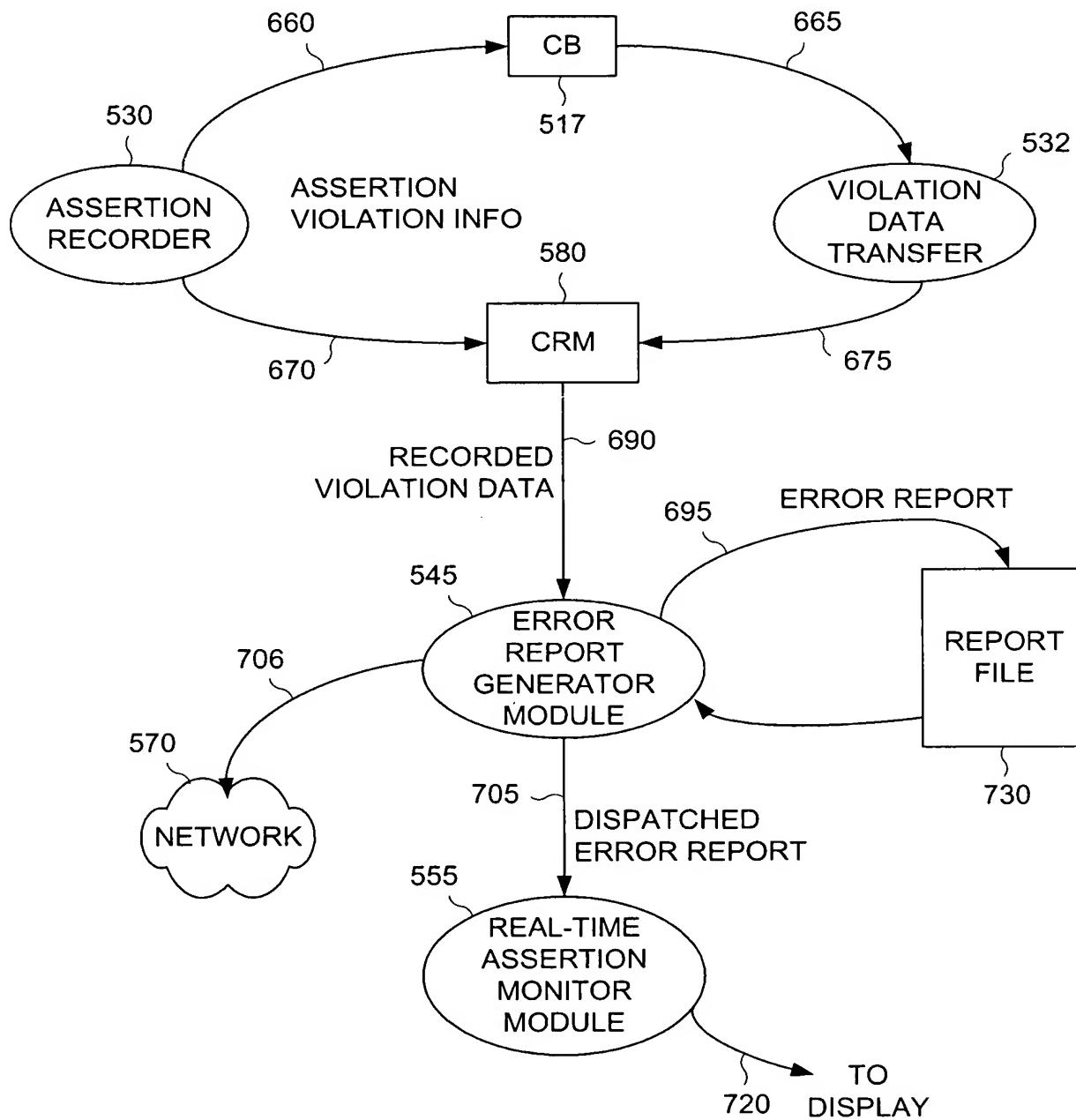


FIG. 13



**FIG. 14**